CONSTRUCTION EQUIPMENT

566027 IPS TEREX COMMANDER 5DG8AU3T4M0016803 - DIESEL E

Sample No:	VCP414119
Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	566027 IPS

VOLVO

VOLVO				
	NFORMATION			
Sample Number	-	VCP414119	VCP382757	 
Sample Date		05 Jul 2023	15 Mar 2023	 
Machine Hours		3470	2842	 
Oil Hours		500	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDI	TION			
Visc @ 100°C	cSt	14.4	14.6	 
Base Number (BN)	mg KOH/g	<b>9.1</b>	8.3	 
Oxidation (PA)	%	75	78	 
VOLVO				
Contamii	NATION			
Soot %	%	1	1.3	 
Nitration (PA)	%	84	96	 
Sulfation (PA)	%	60	64	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	2	12	 
Sodium	ppm	2	0	 
Potassium	ppm	0	2	 

## ALTA EQUIPMENT COMPANY - METRO WEST

56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: PAUL CONZ paul.conz@altg.com T: (313)348-8861 F: (248)356-2029

## Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

tassium

WEAR N	METALS			
Iron	ppm	18	8	 
Copper	ppm	∎1	<b></b> <1	 
Lead	ppm	0	< 1	 
Tin	ppm		<b></b> <1	 
Aluminum	ppm	<b></b> <1	2	 
Chromium	ppm		<b></b> <1	 
Molybdenum	ppm	58	74	 
Nickel	ppm	0	0	 
Titanium	ppm	<1	0	 
Silver	ppm	0	0	 
Manganese	ppm	<b>□</b> <1	<b></b> < 1	 
Vanadium	ppm	0	0	 

Vanadiur

Calcium	ppm			
	PPIII	995	1678	 
Magnesium	ppm	940	504	 
Zinc	ppm	<b>1215</b>	1241	 
Phosphorus	ppm	982	1022	 
Barium	ppm	0	0	 
Boron	ppm	0	33	 

 Depot:
 VOLVO2990

 Unique No:
 10549131

 Signed:
 Don Baldridge

 Report Date:
 11 Jul 2023

Report Id: VOLVO2990 [WUSCAR] 05893321 (Generated: 07/11/2023 12:52:03) Rev: 1

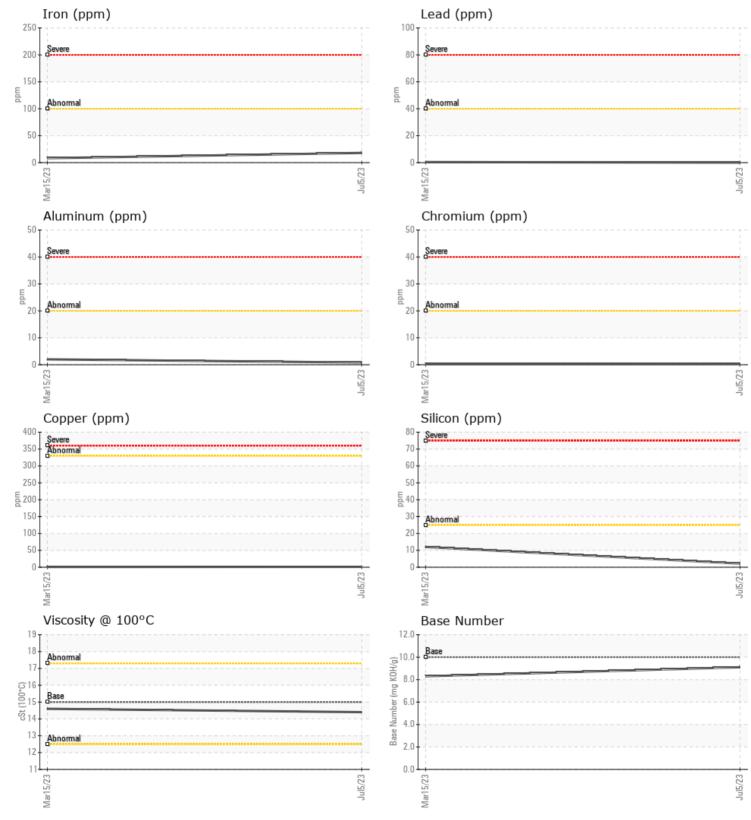
Contact/Location: PAUL CONZ - VOLVO2990

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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